

Claims:

1. Electric heating arrangement (1) having a tubular housing (2) in which is provided at least one PTC heating element (20) and at least one pair of metallic heat dissipators (9) between which the at least one heating element (20) is clamped and which for this purpose each comprise a base portion (10) facing the at least one heating element and one or two curved legs (15) projecting from said base portion, which adapt themselves resiliently to the inner surface of the surrounding wall of the housing (2), **characterised in that** the legs (15) taper toward their free ends.
2. The heating arrangement as defined in Claim 1, **characterised in that** the base portion (10) is thicker than the legs (15) projecting from it.
3. Electric heating arrangement (1) having a tubular housing (2) in which is provided at least one PTC heating element (20) and at least one pair of metallic heat dissipators (9) between which the at least one heating element (20) is clamped and which for this purpose each comprise a base portion (10) facing the at least one heating element and one or two curved legs (15) projecting from said base portion, which adapt themselves resiliently to the inner surface of the surrounding wall of the housing (2), **characterised in that** the base portion (10) is thicker than the legs (15) projecting from it.
4. The heating arrangement as defined in Claim 3, **characterised in that** the legs (15) taper toward their free ends.
5. The heating arrangement as defined in any of the preceding claims, **characterised in that** the legs (15) taper continuously over their full length.

6. The heating arrangement as defined in Claim 5, **characterised in that** the legs (15) taper regularly.
7. The heating arrangement as defined in any of the preceding claims, **characterised in that** the base portion (10) has the greatest thickness in the middle between the legs (15) projecting from it.
8. The heating arrangement as defined in any of the preceding claims, **characterised in that** two extensions (12) extending in the longitudinal direction of the housing (2) are formed on the base portion (10), on its side facing away from the heating element (20), which extensions form a terminal of U-shaped cross-section for a power supply cable.
9. The heating arrangement as defined in any of the preceding claims, **characterised in that** the base portion (10) exhibits a flat, especially a plane, configuration on its side facing the PTC heating element (20).
10. The heating arrangement as defined in any of the preceding claims, **characterised in that** the surrounding wall of the housing (2) is thinner than the base portion (10) and the legs (15).
11. The heating arrangement as defined in any of the preceding claims, **characterised in that** the wall thickness of the housing (2) is 0.1 mm to 0.7 mm, preferably 0.2 mm to 0.5 mm.
12. The heating arrangement as defined in any of the preceding claims, **characterised in that** the housing (2) is deformed by the legs (15) of the heat dissipators (9) applying themselves resiliently against its surrounding wall.

13. The heating arrangement as defined in any of the preceding claims, **characterised in that** the heat dissipators (9) consist of aluminium or an aluminium alloy.
14. The heating arrangement as defined in Claim 13, **characterised in that** the heat dissipators (9) are made from an extruded profile material.
15. The heating arrangement as defined in any of the preceding claims, **characterised in that** for mounting the heating elements (20) the housing (2) comprises an open end (4) with an integrally formed flange (7) which can then be closed after assembly.
16. The heating arrangement as defined in Claim 15, **characterised in that** a plastic cap (3) is held on the flange (7) of the housing (2).
17. The heating arrangement as defined in Claim 16, **characterised in that** a sealing ring (8) is arranged between the plastic cap (3) and the flange (7).
18. The heating arrangement as defined in any of the preceding claims, **characterised in that** the housing (2) consists of stainless steel.
19. The heating arrangement as defined in any of the preceding claims, **characterised in that** the legs (15) together cover almost the whole inner surface of the surrounding wall of the housing (2).